

Notice of Allowability

Application No.

10/627,659

Applicant(s)

CHANG, CHEN-MAAN

Examiner

Robert J Canfield

Art Unit

3635

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to 3/3/05 telephonic interview.
2. ☒ The allowed claim(s) is/are 1-5.
3. ☒ The drawings filed on 28 July 2003 are accepted by the Examiner.
4. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 - a) ☐ All b) ☐ Some* c) ☐ None of the:
 1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).
 - * Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.
THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

5. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
6. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
 - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
 - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
 - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.

Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
7. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

1. ☒ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. ☐ Information Disclosure Statements (PTO-1449 or PTO/SB/08), Paper No./Mail Date _____
4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material
5. ☐ Notice of Informal Patent Application (PTO-152)
6. ☐ Interview Summary (PTO-413), Paper No./Mail Date _____
7. ☒ Examiner's Amendment/Comment
8. ☐ Examiner's Statement of Reasons for Allowance
9. ☐ Other _____

1. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Morton Rosenberg on 03/03/05.

The application has been amended as follows:

CLAIMS

Replace Claim 1 with the following:

-- 1. An automatic straight umbrella including a shaft connecting its lower end with a handle and its upper end with an upper joint, an outer tube provided around the shaft slidably connecting a with middle joint at an upper end, a runner provided around the outer tube slidably, and a frame having ~~the~~ an inner end of each rib to connected with the upper joint, the middle joint, and the runner respectively; a spring being provided between the frame and the runner, a power rod provided to insert into the shaft from its lower end, a connector provided on top of the rod, and having a sideward convex, which just positions in an upper slot of the shaft, an upper spring received in the shaft over the connector while a lower spring is under the connector around the rod; the lower spring having its lower end to connect with a sleeve having a sideward convex just positioning in a lower slot of the shaft; the power rod being

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provided with a stopper accompanying a coil spring at a position relating to a controlling button on the handle, the controlling button including an inner coil spring and a tongue, which can engage with an aperture on the outer tube, the outer tube includes another aperture for receiving the convex of the sleeve and a hole for engaging with the stopper. - -

Replace Claim 2 with the following:

- - 2. An automatic straight umbrella as claimed in claim 1, wherein the power rod being pushed upward into the shaft for storing energy, and as the stopper is engaged with the relating hole of the shaft, the umbrella being ready for use in ~~stable~~, and the connector extending the lower spring since the lower end is fixed with the sleeve while the convex is engaged with the outer tube. - -

Replace Claim 4 with the following:

- - 4. An automatic straight umbrella as claimed in claim 4 3, wherein the button being pressed again, while the contact face of the button can touch and push the stopper inward at this moment and the engagement of the power rod is released, and the rod being moved downward by the recovery forces of the upper spring and the spring, while the umbrella can be closed at the same time. - -

2. Claims 1-5 are allowed.

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3. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

4. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Robert J Canfield whose telephone number is 703-308-2482. The examiner can normally be reached on M-Th.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Carl Friedman can be reached on 703-308-0839. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Robert J Canfield
Primary Examiner
Art Unit 3635



03/03/05